



# ecology and environment, inc.

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International Specialists in the Environmental Sciences

DATE: February 21, 1983

TO: File/USEPA Region V

FROM: Paul D. Shea

SUBJECT: Preliminary Assessment

Illinois/TDD#RO5-8212-01A-170

Chicago/Republic Steel - Chicago District

ILD056623598

EPA Region 5 Records Ctr.



309339

*RCRA INTERIM STATUS*

Attached is EPA's Preliminary Assessment Form 2070-12 for the above referenced site.

Primary information was gathered from the following source(s):

1. Illinois Environmental Protection Agency (IEPA) -
2. Maywood, 312/345-9780
- 3.

Information indicates the following responsible parties should be listed. They are listed here because of space limitations:

1. None
- 2.
- 3.

Presently, data gaps or no verification exists in the following key area(s):

1. Waste quantity
2. Groundwater contamination
3. Surface water/soil
- Fire/explosive

A review of the available data indicates that additional information will be necessary to assess the impact(s) on:

1. Waste quantity
2. Groundwater
3. Surface water
4. Fire/explosive
- 5.

Suggested methods/sources for obtaining additional information are:

1. Sampling/monitoring
2. On site inspection
3. Off site inspection

Notice of an apparent need for emergency action was transmitted to N/A on N/A by N/A.



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
IL D056623598

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) <b>REPUBLIC STEEL-CHGO.DIST.</b>		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <b>T37N, R15E 11600 S. BURLEY AVENUE</b>			
03 CITY <b>CHICAGO</b>	04 STATE <b>IL</b>	05 ZIP CODE <b>60617</b>	06 COUNTY <b>COOK</b>	07 COUNTY CODE <b>031</b>	08 CONG DIST
09 COORDINATES LATITUDE <b>41°41'00.0"</b>		LONGITUDE <b>087°33'00.0"</b>		TOPO MAP: <b>LAKE CALUMET</b>	
10 DIRECTIONS TO SITE (Starting from nearest public road) <b>S 1/2, SW 1/4, NW 1/4, NE 1/4 SEC. 30. E 1/2, SE 1/4, NE 1/4, SW 1/4 SEC 18 CHICAGO SKYWAY TO TORRENCE AVE. SOUTHBOUND. TAKE TORRENCE TO 106TH AND TURN LEFT (EAST). GO ABOUT 1/2-1 MILE TO BURLEY TURN RIGHT AND GO SOUTH TO REPUBLIC STEEL</b>					

III. RESPONSIBLE PARTIES

01 OWNER (if known) <b>REPUBLIC STEEL CORP.</b>		02 STREET (Business, mailing, residential) <b>P.O. BOX 6778</b>			
03 CITY <b>CLEVELAND</b>	04 STATE <b>OH</b>	05 ZIP CODE <b>44101</b>	06 TELEPHONE NUMBER <b>(216) 622-5000</b>		
07 OPERATOR (if known) (If known, list name and address) <b>MR. RALPH KORTGE - COORD MR. W.J.UDOVICH ENV. STUDIES</b>		08 STREET (Business, mailing, residential) <b>11600 S. BURLEY AVE.</b>			
09 CITY <b>CHICAGO</b>	10 STATE <b>IL</b>	11 ZIP CODE <b>60617</b>	12 TELEPHONE NUMBER <b>(312) 933-4008</b>		

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL: \_\_\_\_\_ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL  
☐ F. OTHER: \_\_\_\_\_ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☒ A. RCRA 3001 DATE RECEIVED: **8/18/80** MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: **NONE** MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE <b>3/2/81</b> MONTH DAY YEAR <input type="checkbox"/> NO		BY (Check all that apply) <input checked="" type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____	
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02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN	03 YEARS OF OPERATION <b>1980</b>   <b>PRESENT</b> BEGINNING YEAR ENDING YEAR <input type="checkbox"/> UNKNOWN
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04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  
**SLUDGE (TOXIC, PERSISTENT) HEAVY METALS  
SOLVENTS (TOXIC, PERSISTENT, IGNITABLE) (TOXIC, PERSISTENT)  
CORROSIVE WASTE (TOXIC, CORROSIVE)**

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION  
**LEACH INTO GROUNDWATER (ENVIRONMENT  
RUNOFF TO SURFACE WATER + POPULATION)  
FIRE/EXPLOSION**

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)  
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT <b>MR. KEN BECHELY</b>		02 OF (Agency/Organization) <b>IEPA (MAYWOOD)</b>		03 TELEPHONE NUMBER <b>(312) 345-9780</b>	
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER ( )	08 DATE / / MONTH DAY YEAR	



☒ I HIGHLY VOLATILE  
☒ J EXPLOSIVE  
☒ K. REACTIVE  
☐ L INCOMPATIBLE  
☐ M NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
IL D056623598

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: ~10,000

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

POTENTIAL LEACHING OF CONTAMINANTS THROUGH SOIL  
INTO THE GROUNDWATER FROM PILES

01 ☒ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: ~10,000

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

POTENTIAL RUNOFF OF CONTAMINATED SOIL INTO  
SURFACE WATER.

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

FLAMMABLE, IGNITABLE WASTES PRESENT ON SITE.

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☒ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: < 2  
(Acres)

02 ☒ OBSERVED (DATE: 3/2/81)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

WASTE IN PILES OUTSIDE OF IMPOUNDMENT -  
SOIL AFFECTED

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☒ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: ~50

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

SITE HAD NO CONTINGENCY PLAN FOR FACILITY - 3/2/81  
EQUIPMENT + DEVICES - NO WRITTEN INSPECTION SCHEDULE

01 ☒ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: ~10,000

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

POTENTIAL POPULATION EXPOSURE THROUGH  
CONTACT WITH CONTAMINANTS EITHER BY  
GROUNDWATER OR SURFACE WATER



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
IL D056623598

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills/runoff/standing liquids/leaking drums)

02 ☒ OBSERVED (DATE: 3/2/81)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: ~10,000

04 NARRATIVE DESCRIPTION

EARTHEN DIKES DO NOT HAVE PROTECTIVE COVERS (RCRA)  
NO WASTE ANALYSIS PLAN AT THE FACILITY

01 ☐ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

POTENTIAL CONTAMINATION OF SEWERS + DRAINS  
THROUGH POTENTIAL NON-RCRA COMPLIANCE.

VIOLATIONS  
FOR SITE  
FROM IEPA  
Inspection

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: ~10,000

IV. COMMENTS

INTEGRATED STEEL PLANT INC. COKE BATTERY, BLAST FURNACE, BASIC OXYGEN  
PROCESS SHOP, ELECTRIC FURNACE SHOP, PRIMARY MILL, WIRE & SEAMLESS  
TUBE MILLS, PRODUCING BAR, WIRE & PIPE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA FILES (MAYWOOD)